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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 :

C07C 311/00

A2

(11) International Publication Number:

WO 00/39077

(43) International Publication Date:

6 July 2000 (06.07.00)

(21) International Applicant

(22) International Filing D

Hangeland et al.

102241-101

Express Mail: EL662089097US

Mailed: June 20, 2001

(30) Priority Data:

9828442.5

JC17 Rec'd PCT/PTO 20 JUN 2001

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Certificate of Express Mailing
Transmittal Letter (in duplicate)
Preliminary Examination Report
PCT Request
PCT DemandInternational Search Report
Unsigned Oath & Declaration
Notification of Receipt

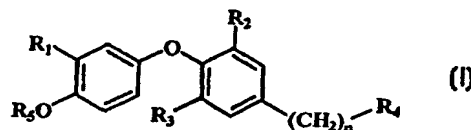
Published Application WO 00/39007

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(54) Title: NOVEL THYROID RECEPTOR LIGANDS AND METHOD II



(57) Abstract

New thyroid receptor ligands are provided which have general formula (I) in which: n is an integer from 0 to 4; R₁ is halogen, trifluoromethyl, or alkyl of 1 to 6 carbons or cycloalkyl of 3 to 7 carbons; R₂ and R₃ are the same or different and are hydrogen, halogen, alkyl of 1 to 4 carbons or cycloalkyl of 3 to 5 carbons, at least one of R₂ and R₃ being other than hydrogen; R₄ is a carboxylic acid amide (CONR'R'') or an acylsulphonamide (CONHSO₂R') derivative, or a pharmaceutically acceptable salt thereof, and all stereoisomers thereof; or when n is equal to or greater than one, R₄ may be a heteroaromatic moiety which may be substituted or unsubstituted, or an amine (NR'R''). R₅ is hydrogen or an acyl (such as acetyl or benzoyl) or other group capable of bioconversion to generate the free phenol structure (wherein R₅=H). In addition, a method is provided for preventing, inhibiting or treating a disease associated with metabolism dysfunction or which is dependent upon the expression of a T₃-regulated gene, wherein a compound as described above is administered in a therapeutically effective amount. Examples of such diseases associated with metabolism dysfunction or are dependent upon the expression of a T₃ regulated gene include obesity, hypercholesterolemia, atherosclerosis, cardiac arrhythmias, depression, osteoporosis, hypothyroidism, goiter, thyroid cancer as well as glaucoma, congestive heart failure and skin disorders.

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